

WAY-600

## Chemical Properties

CAS No.:	T23530
Formula:	C <sub>28</sub> H <sub>30</sub> N <sub>8</sub> O
Molecular Weight:	494.59
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	WAY-600 is an effective, ATP-competitive and selective inhibitor of mTOR (IC <sub>50</sub> : 9 nM). WAY-600 also blocks mTORC1/P-S6K(T389) and mTORC2/P-AKT(S473) but not P-AKT(T308). It has selective for mTOR than PI3Kα (>100-fold) and PI3Kγ (>500-fold).
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## Solubility Information

Solubility	DMSO: ≥12.4mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.022 mL	10.109 mL	20.219 mL
5 mM	0.404 mL	2.022 mL	4.044 mL
10 mM	0.202 mL	1.011 mL	2.022 mL
50 mM	0.04 mL	0.202 mL	0.404 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

1. Bodine P V N, Stauffer B, Ponce-de-Leon H, et al. A small molecule inhibitor of the Wnt antagonist secreted frizzled-related protein-1 stimulates bone formation. Bone, 2009, 44(6): 1063-1068.
2. Moore W J, Kern J C, Bhat R, et al. Modulation of Wnt Signaling Through Inhibition of Secreted Frizzled-Related Protein I (sFRP-1) with N-Substituted Piperidinyl Diphenylsulfonyl Sulfonamides†. Journal of medicinal chemistry, 2008, 52(1): 105-116.

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